

DusQ 21 CPG 500

<http://www.lumiprobe.com/p/dusq21-cpg-500>

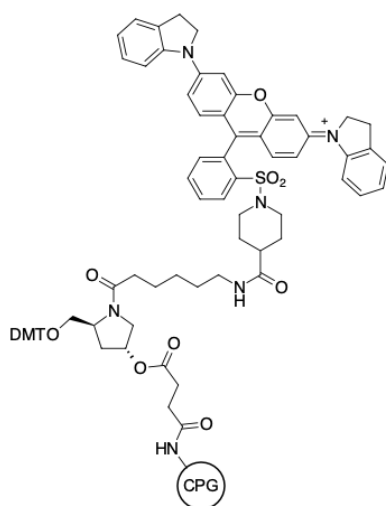
DusQ 21 is a quencher for the dyes in far red region of the spectrum. The dye is a xanthene derivative, unlike DusQ 1 or DusQ 2, that are azo dyes. It has a high extinction coefficient, and provides an outstanding quenching efficiency.

The controlled pore glass solid support allows to synthesize oligonucleotides carrying the dye moiety on 3'-terminus.

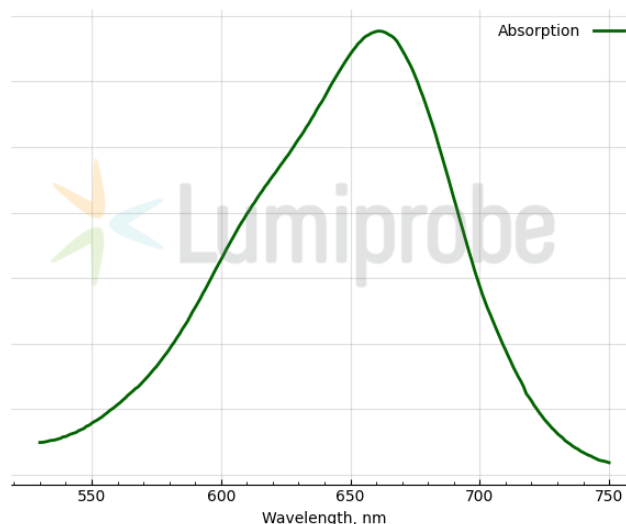
Usage

Coupling: Standard conditions identical to normal nucleobases.

Deprotection: 2 hours at room temperature using concentrated ammonia.



Structure of DusQ 21 CPG 500



Absorption spectrum of DusQ 21

General properties

Appearance:	dark blue beads
Quality control:	¹ H NMR of bound reagent, coupling testing with HPLC-MS
Storage conditions:	24 months after receipt at -20°C in the dark. Transportation: at room temperature for up to 3 weeks. Desiccate. Avoid prolonged exposure to light.

Spectral properties

Excitation/absorption maximum, nm:	656
ϵ , L·mol ⁻¹ ·cm ⁻¹ :	72800

Oligo synthesis details

Pore size, Å:	500
Typical loading, $\mu\text{mol/g}$:	50–80